

Name: _____

Teacher: _____

Algebra Pd: _____

1.7 Homework

<p>Bananas are \$0.59 per pound.</p> <p>1.) What is the constant of proportionality?</p> <p>2.) Define your variables</p> <p>X =</p> <p>Y =</p> <p>3.) Write an equation relating your x to your y</p> <p>4.) How much will 25 lbs. of bananas cost?</p>	<p>The dry cleaning fee for 3 pairs of pants is \$18.</p> <p>5.) What is the constant of proportionality?</p> <p>6.) Define your variables</p> <p>X =</p> <p>Y =</p> <p>7.) Write an equation relating your x to y.</p> <p>8.) How much will a dry cleaner charge for 11 pairs of pants.</p>
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Scenario: 2010, the school paid \$1,260 for 84 students to enter the zoo. In 2011, the school paid \$1,050 for 70 students to enter the zoo. In 2012, the school paid \$1,395 for 93 students to enter the zoo.

9.) Is the price the school pays each year in entrance fees proportional to the number of students entering the zoo?

Explain why or why not.

10.) Identify the constant of proportionality, and explain what it means in the context of this situation.

11.) What would the school pay if 120 students entered the zoo?

12.) How many students would enter the zoo if the school paid \$1,425?